

ABSTRACT

A warning system (20) includes a central control unit (CCU), and a plurality of
5 local units (LU) connected to the central control unit (CCU). Each local unit (LU)
includes a plurality of input trips (A_n), such as smoke detector, an earthquake detector,
and gas detector, and a plurality of programmable responses, such as a bypass relay (C), a
message delivered by a record/playback unit (D), an emergency light (E), and a strobe
light (F). The input trips (A_n) also include a disconnect trip (A_1), which is activated by a
10 detector input signal (DI) sent from the central control unit (CCU), and indicates that the
central control unit (CCU) has malfunctioned. The programmable responses include a
warning output signal (WO) which is sent from the local unit (LU) to the central control
unit (CCU) to indicate the presence of a local emergency at the local unit (LU).

15